ABSTRACT

The present invention relates to a catalytic cracking process and a device used in the process In particular, the present invention provides a catalytic cracking process, which comprises. which comprises:

1) catalytic cracking a feedstock in the first riser for less than about 1.5 second and sending the resultant stream into the first separating device;

2) catalytic cracking the recycle oil obtained from the first separating device in the second riser for less than about 1.5 second and sending the resultant stream into the first separating device; and

3) carrying out catalytic reaction of the crude gasoline stream and/or optionally the diesel oil stream obtained from first separating device in the third riser;

wherein the reaction conditions and the catalysts used in the first to third risers are selected according to the requirement for the product of the catalytic cracking process, and the catalyst regeneration and recycle systems are formed respectively for the catalysts used in the first to third risers, so as to effectively improve the product distribution of the catalytic cracking process and the quality of the target product.

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